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Product Approval
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[Product Approval Menu](#) > **Application Detail**

OFFICE OF THE SECRETARY

FL #	FL28301-R2
Application Type	Revision
Code Version	2020
Application Status	Approved
	*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments	
Archived	<input type="checkbox"/>

Product Manufacturer	GAF
Address/Phone/Email	1 Campus Drive Parisppany, NJ 07054 (800) 766-3411 mstieh@gaf.com

Authorized Signature	Michael Stieh mstieh@gaf.com
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Technical Representative	Michael Stieh
Address/Phone/Email	1 Campus Drive Parsippany, NJ 07054 (973) 628-3000 mstieh@gaf.com

Quality Assurance Representative	
Address/Phone/Email	

Category	Roofing
Subcategory	Roofing Insulation

Compliance Method	Evaluation Report from a Product Evaluation Entity
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Evaluation Entity	Miami-Dade BCCO - EVL
Quality Assurance Entity	Miami-Dade BCCO - QUA
Quality Assurance Contract Expiration Date	12/27/2027
Validated By	Miami-Dade BCCO - VAL

Certificate of Independence

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM C1289	2015

Equivalence of Product Standards Certified By	
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Sections from the Code

Product Approval Method	Method 1 Option C
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Date Submitted 10/06/2022
 Date Validated 10/24/2022
 Date Pending FBC Approval
 Date Approved 10/26/2022

Summary of Products

FL #	Model, Number or Name	Description
28301.1	ThermaCal® 1 Ventilated Roof Insulation Panels	Polyisocyanurate insulation laminated to 1", 1.5", or 2" solid wood spacers (to create an air space) then laminated to APA rated 5/8" plywood.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other:		Installation Instructions FL28301_R2_II_22072204.pdf Verified By: Miami-Dade BCCO - EVL Created by Independent Third Party: Evaluation Reports FL28301_R2_AE_22072204.pdf
28301.2	ThermaCal® 2 Ventilated Roof Insulation Panels	Polyisocyanurate insulation laminated APA rated 5/8" plywood, then laminated to 1", 1.5", or 2" solid wood spacers (to create an air space) then laminated to a second layer of APA rated 5/8" plywood.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other:		Installation Instructions FL28301_R2_II_22072204.pdf Verified By: Miami-Dade BCCO - EVL Created by Independent Third Party: Evaluation Reports FL28301_R2_AE_22072204.pdf
28301.3	ThermaCal® Non-Ventilated Roof Insulation Panels	Polyisocyanurate insulation laminated to APA rated 5/8" plywood.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other:		Installation Instructions FL28301_R2_II_22072204.pdf Verified By: Miami-Dade BCCO - EVL Created by Independent Third Party: Evaluation Reports FL28301_R2_AE_22072204.pdf

[Back](#) [Next](#)

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DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 31525-99
www.miamidade.gov/economy

GAF
1 Campus Drive
Parsippany, NJ. 07054

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: GAF ThermaCal® 1 Ventilated Roof Insulation Panels, ThermaCal® 2 Ventilated Roof Insulation Panels and ThermaCal® Non-Ventilated Roof Insulation Panels

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews and revises NOA No. 17-1020.03 and consists of pages 1 through 3.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 22-0722.04
Expiration Date: 12/27/27
Approval Date: 09/08/22
Page 1 of 3

ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Roofing Insulation
Materials: Polyisocyanurate

TYPICAL PHYSICAL PROPERTIES:

Product	Property	Test Method	Typical Results
ThermaCal® 1 Ventilated Roof Insulation Panels, ThermaCal® 2 Ventilated Roof Insulation Panels, ThermaCal® Non- Ventilated Roof Insulation Panels	Density	ASTM D 1622	2.16 lbs./ft ³
	Compressive Strength	ASTM D 1621	24 psi
	Water Absorption	ASTM C 209	Less than 1% by volume
	Moisture Vapor Transmission	ASTM E 96	Less than one (1) perm
	Service Temperature		-100°F +250°F Max
	Surface Burning Characteristics (4" Foam Core Max.)	ASTM E 84	Flame Spread: 45 Smoke Developed: 105

Note: The physical properties listed above are presented at typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation. Numerical ratings as determined by ASTM Test Method E-84 are not intended to reflect hazards presented by this or any other material under actual fire conditions.

MANUFACTURING LOCATIONS:

1. Statesboro, GA.

EVIDENCE SUBMITTED

Test Agency/Identifier	Name	Report	Date
PRI Construction Materials Technologies	ASTM C1289	376T0286	07/01/22
UL LLC	UL 790	R1306	08/26/22

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Tradename: ThermaCal® Non-Ventilated Roof Insulation Panels
Thickness: 1.5" – 8" (38.1 – 203.2m)
Board Size(s): 4' x 8' (1.2 x 2.4 m)
Core: Polyisocyanurate Foam
Facers: Fiber reinforced felt and APA rated 5/8 " plywood
Decks: Concrete, Cementitious Wood Fiber, Steel, Wood
Special Application: Polyisocyanurate insulation laminated to APA rated 5/8" plywood. See specific Roof Assembly NOA, and RAS 117 for specific system approvals. ThermaCal® Non-Ventilated Roof Insulation Panels shall be manufactured with APA rated plywood to comply with the provisions of Chapter 23 of the Florida Building Code



NOA No.: 22-0722.04
 Expiration Date: 12/27/27
 Approval Date: 09/08/22
 Page 2 of 3

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT: (CONTINUED)

Tradename: **ThermaCal® 1 Ventilated Roof Insulation Panels**
Thickness: 1.5" – 8" (38.1 – 203.2m)
Board Size(s): 4' x 8' (1.2 x 2.4 m)
Core: Polyisocyanurate Foam
Facers: Fiber reinforced felt and APA rated 5/8 " plywood
Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum
Special Application: Polyisocyanurate insulation laminated to 1", 1.5", or 2" solid wood spacers (to create an air space) then laminated to APA rated 5/8" plywood. See specific Roof Assembly NOA, and RAS 117 for specific system approvals. ThermaCal® 1 Ventilated Roof Insulation Panels shall be manufactured with APA rated plywood to comply with the provisions of Chapter 23 of the Florida Building Code

Tradename: **ThermaCal® 2 Ventilated Roof Insulation Panels**
Thickness: 1.5" – 8" (38.1 – 203.2m)
Board Size(s): 4' x 8' (1.2 x 2.4 m)
Core: Polyisocyanurate Foam
Facers: Fiber reinforced felt and APA rated 5/8 " plywood
Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum
Special Application: Polyisocyanurate insulation laminated APA rated 5/8" plywood, then laminated to 1", 1.5", or 2" solid wood spacers (to create an air space) then laminated to a second layer of APA rated 5/8" plywood. See specific Roof Assembly NOA, and RAS 117 for specific system approvals. ThermaCal® 2 Ventilated Roof Insulation Panels shall be manufactured with APA rated plywood to comply with the provisions of Chapter 23 of the Florida Building Code

COMMENTS AND LIMITATIONS:

1. Roof assemblies are approved under specific roof cover's Product Control Notice of Acceptance.
2. GAF products may be used with any approved roof covering listing a specific GAF product as a component part of a roof assembly Notice of Acceptance. If a GAF product is not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or Miami Dade Product Control for approval provided that appropriate documentation is provided.
3. Fire classification is not a part of this Notice of Acceptance.
4. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule **61G20-3** of the Florida Administrative Code.



END OF THIS ACCEPTANCE



NOA No.: 22-0722.04
Expiration Date: 12/27/27
Approval Date: 09/08/22
Page 3 of 3